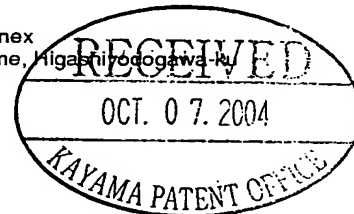


From the INTERNATIONAL BUREAU

**PCT**NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT

(PCT Rule 72.2)

To:

KAYAMA, Hideyuki  
9F, Shin-Osaka Maru Bldg. Annex  
18-27, Higashinakajima 1-chome, Higashi-odogawa-ku  
Osaka City, Osaka 533-0033  
JAPON

Date of mailing ( <i>day/month/year</i> ) 30 September 2004 (30.09.2004)	
Applicant's or agent's file reference F1020458WO00	IMPORTANT NOTIFICATION
International application No. PCT/JP2002/013728	International filing date ( <i>day/month/year</i> ) 26 December 2002 (26.12.2002)
Applicant SANYO ELECTRIC CO., LTD. et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CN, EP

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

US

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Yoshiko Kuwahara
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90

Translation

PATENT COOPERATION TREATY

PCT/JP2002/013728



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference F1020458WO00	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2002/013728	International filing date (day/month/year) 26 December 2002 (26.12.2002)	Priority date (day/month/year) 28 December 2001 (28.12.2001)
International Patent Classification (IPC) or national classification and IPC G09G 3/30, 3/20		
Applicant SANYO ELECTRIC CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.  <input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of <u>6</u> sheets.
3. This report contains indications relating to the following items:  I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input checked="" type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 17 October 2003 (17.10.2003)	Date of completion of this report 21 April 2004 (21.04.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2002/013728

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1-2, 5-15, as originally filed  
 pages 3-4, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
 pages 4, 9, 11-16, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement under Article 19  
 pages 1, 3, 5, 8, 10, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the drawings:  
 pages 1-11, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☒ the claims, Nos. 2, 6, 7
- ☐ the drawings, sheets/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP02/13728

## IV. Lack of unity of invention

1. In response to the invitation to restrict or pay additional fees the applicant has:

- ☐ restricted the claims.
- ☐ paid additional fees.
- ☐ paid additional fees under protest.
- ☐ neither restricted nor paid additional fees.

2. ☒ This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is

- ☐ complied with.
- ☒ not complied with for the following reasons:

The subject matters of claims 1, 3-5 and 8-11 relate to an organic EL display luminance control method for controlling the luminance based on the difference between the luminance accumulation value of video input signals and a predetermined value.

The subject matters of claims 12-14 relate to a cellular phone having an organic EL display in which the brightness of the environment is judged based on the exposure control information of a camera for controlling the display luminance.

The subject matters of claims 15 and 16 relate to a cellular phone in which the display luminance of an organic EL display is controlled based on the orientation of the display surface.

4. Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:

- ☒ all parts.
- ☐ the parts relating to claims Nos. \_\_\_\_\_

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP02/13728

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1, 3-5, 8-16	YES
	Claims		NO
Inventive step (IS)	Claims	10-11	YES
	Claims	1, 3-5, 8-9, 12-16	NO
Industrial applicability (IA)	Claims	1, 3-5, 8-16	YES
	Claims		NO

### 2. Citations and explanations

#### List of cited documents:

- Document 1: JP, 2000-221945, A (Victor Company of Japan, Ltd.), 11 August, 2000 (11.08.00)  
 Document 2: JP, 2000-56730, A (Canon Inc.), 25 February, 2000 (25.02.00)  
 Document 3: JP, 2001-350450, A (Matsushita Electric Industrial Co., Ltd.), 21 December, 2001 (21.12.01)  
 Document 4: JP, 2001-184015, A (Seiko Epson Corp.), 6 July, 2001 (06.07.01)  
 Document 5: JP, 2001-109434, A (Fuji Photo Film Co., Ltd.), 20 April, 2001 (20.04.01)  
 Document 6: JP, 2001-22319, A (Matsushita Electric Industrial Co., Ltd.), 26 January, 2001 (26.01.01)

#### Explanation:

The subject matters of claims 1, 3-5, 8 and 9 do not appear to involve an inventive step in view of documents 1-3 cited in the ISR.

It is considered to be obvious for a person skilled in the art that the well-known technique, in which the reference voltage of a DA converter provided in a display is adjusted to control the amplitude of an input video signal for luminance control (for example, documents 2 and 3), is employed instead of the control of a supply voltage, as a means for controlling the luminance of a display screen based on a luminance accumulation value (average luminance) in the organic EL display described in document 1 (see paragraph Nos. [0002] and [0019]-[0021]).

A case where the luminance of a display screen is controlled over the entire range of luminance accumulation values corresponds to a case where the luminance is controlled based on the differences between luminance accumulation values and a predetermined value of 0.

Furthermore, it is also considered to be obvious for a person skilled in the art that the control with a predetermined threshold value can be employed to control the amplitude only when the luminance accumulation value is high as described in document 2 (see paragraph Nos. [0097] and [0108]), with the reduction of power consumption in mind.